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OLIFF & BERRIDGE, PLC
P.O. BOX 320850
ALEXANDRIA, VA 22320-4850

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| HOANG, HIEU T |

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

| | Application No. | Applicant(s) |
|---|---|---|
| | 10/720,375 | KAWAI, SUNAO |
| **Office Action Summary** | Examiner | Art Unit | |
| | HIEU T. HOANG | 2452 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on <u>18 December 2008</u>.
2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) <u>1-55</u> is/are pending in the application.
   4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) <u>1-55</u> is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All  b) ☐ Some * c) ☐ None of:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. _____.
    3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
   Paper No(s)/Mail Date <u>12/18/2008</u>.
4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

## DETAILED ACTION

1.    A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set

forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action

has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on

12/18/2008 has been entered.

2.    Claims 1-55 are pending.


### *Response to Amendment*

3.    The 35 U.S.C. 112 rejection has been withdrawn.


### *Response to Arguments*

4.    Applicant's arguments on claim 1 have been fully considered but are moot in

view of new ground(s) of rejection.


### *Information Disclosure Statement*

5.    The information disclosure statement (IDS) submitted on 12/18/2008 has been

considered by the examiner.

## *Claim Rejections - 35 USC § 103*

6.     The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as
> set forth in section 102 of this title, if the differences between the subject matter sought to be
> patented and the prior art are such that the subject matter as a whole would have been obvious
> at the time the invention was made to a person having ordinary skill in the art to which said
> subject matter pertains.  Patentability shall not be negatived by the manner in which the invention
> was made.

7.     Claims 1-8, 10-15, 20, 21-25, 27-32, 37, 39, 40, 42, 43, 45-47, 49, 50, 52, 53 and

55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Filion et al. (US

6,119,156, hereafter Filion) in view of Simpson et al. (US 2003/0084086, hereafter

Simpson).

8.     For claim 1, Filion discloses a network system comprising:

       a plurality of terminal devices and a printer whose function is shared by said

plurality of terminal devices, said plurality of terminal devices and said printer being

communicatively connected through a network (fig. 1, col. 3 l. 9-24, managers or

terminal devices, abstract, network management SNMP system), said printer executing

print jobs in accordance with operational parameters set to said printer (col. 6 lines 4-

49, printer print job settings or configurations applied to print jobs) operational

parameters of said printer being set by users of said plurality of terminal devices

through the network (col. 6 lines 4-21, printer settings set by users through a network);

a monitoring period determining system that determines a particular time with respect to operational parameters set by a first user (col. 3 l. 65- col. 6 l. 9, operational parameters are locked by user A at a particular time);

a monitoring system that monitors whether a request for modification of the operational parameters issued by a second user is received (col. 4 lines 24-67, checking at a particular time that another request currently intersects with a current locked parameter)

a modification control system that modifies the operational parameters in accordance with the request for modification if the monitoring system determines that the request for the modification is received at a different time than the particular time (col. 4 lines 60-62, requests that does not intersect others at a particular time are allowed),

said modification control system executing at least one of rejecting the request by the second user and outputting a message corresponding to the request by the second user if said monitoring system determines that the request for modification is received at the particular time (col. 4 lines 64-67, send a fail message if request intersects with locked parameters at the particular time).

Filion does not explicitly disclose:

a monitoring period;

the use of the monitoring period in allowing and rejecting request by the second user, particularly modifying the operational parameters in accordance with the request for modification if the monitoring system determines that the request for the modification

is received after expiration of the monitoring period, executing at least one of rejecting

the request by the second user and outputting a message corresponding to the request

by the second user if said monitoring system determines that the request for

modification is received during the monitoring period.

However, Simpson discloses:

a monitoring period ([0074], [0075], processing time of a reserved print job with

associated printing settings of a first user);

the use of the monitoring period in allowing and rejecting request by the second

user, particularly modifying the operational parameters in accordance with the request

for modification if the monitoring system determines that the request for the modification

is received after expiration of the monitoring period, executing at least one of rejecting

the request by the second user and outputting a message corresponding to the request

by the second user if said monitoring system determines that the request for

modification is received during the monitoring period ([0076], store second print job and

apply second print settings if time does not conflict, prompt the second user to select a

different print time if his print time conflicts with the reserved print time with settings of

the first user)

It would have been obvious to combine the teachings of Filion and Simpson so

that a monitoring period of Simpson can be applied to time when operational

parameters or settings are locked by a user so that settings are only locked within a

period of time to allow automatic release of printer locks after the period is expired.

9.      For claim 2, Filion-Simpson further discloses the monitoring period is defined as

a time period after the operational parameters are set by the first user (Simpson, [0075],

period of printing with settings by the first user).


10.     For claim 3, Filion-Simpson further discloses said monitoring period determining

system includes a time period inputting system, the monitoring period being determined

based on the time period input through said time period inputting system (Simpson,

[0074], [0075], reserved print job has an input start time).


11.     For claim 4, Filion-Simpson further discloses an end of the monitoring period is

defined as a point of time (Simpson, [0075], processing time).


12.     For claim 5, Filion-Simpson further discloses said monitoring period determining

system includes a time inputting system, an end of the monitoring period being

determined based on the point of time which is input through said time inputting system

(Simpson, [0074], [0075], reserved end time is based on start time and processing

time).


13.     For claim 6, Filion-Simpson further discloses the message output by the

modification control system is a message, which is transmitted to the second user,

indicating that a current time is within the monitoring period (Simpson, [0076], a

message to the second user to select a new start time if time conflicts).

14.     For claim 7, Filion-Simpson further discloses the message output by the

modification control system is a message, which is transmitted to the first user,

informing that the operational parameters have been modified by the second user within

the monitoring period (Simpson, [0070], "job deferred" message).


15.     For claim 8, Filion-Simpson further discloses a permission requesting system that

requests the first user for permission to modify the operational parameters (Simpson,

[0070], interrupt request).


16.     For claim 10, Filion-Simpson further discloses a postponed period checking

system that checks whether a postponed period for postponing the modification of the

operational parameters has expired, the postponed period being instructed by the

terminal device, said modification controlling system enabling the modification of the

operational parameters after expiration of the postponed period (Simpson, [0076],

postponed second print job with settings).


17.     For claim 11, Filion-Simpson further discloses a setting management device

which is connected with said terminal device and a plurality of printers through the

network, said setting management device being provided with a setting input system

that is used to input modification settings of the operational parameters for said plurality

of printers, the modification settings input through said setting input system being set in

said plurality of printers (Simpson, fig. 5A, 2B, [0061], client machine includes settings

input module, which is a web interface).


18.     For claim 12, Filion-Simpson further discloses one of said plurality of terminal

devices includes said setting management device (Simpson, fig. 5A, client machine

includes settings module).


19.     For claim 13, Filion-Simpson further discloses said setting management device

includes an printer selecting system that selects at least one of the plurality of printers

as a target device whose operational parameters are to be modified, the modification

settings input through said setting input system being effected as the modification

settings of said at least one of the printers selected by said printer selecting system

(Simpson, [0113], select a printer for printing with personal settings).


20.     For claim 14, Filion-Simpson further discloses said terminal device includes an

instruction system that transmits instructions to the printer using a predetermined

communication protocol (Simpson, [0041], e.g., HTTP); and wherein said printer

includes a job executing system that executes a job which is instructed by said

instruction system and transmitted from said terminal device using the predetermined

communication protocol (Simpson, [0041], [0054], send jobs to printer using a protocol),

the operational parameters including a parameter to be used when said printer

communicates with said terminal device using the predetermined communication

protocol (Simpson, abstract, job with selected options).


21.    For claim 15, Filion-Simpson further discloses the operational parameters

including a parameter related to an output format when said printer prints a print job

(Simpson, [0066], finishing options of print jobs).


22.    For claim 20, Filion-Simpson further discloses said printer includes an

interruption procedure execution system that executes an interruption procedure when a

predetermined job is executed, the operational parameters including a parameter that

enables/disables execution of the interruption procedure during the predetermined job

(Simpson, [0070], interrupt an executed print job).


23.    Claims 39 and 42 are rejected for the same rationale in claim 1.


24.    For claim 45, Filion discloses a network system having a plurality of terminal

devices and a printer whose function is shared by said plurality of terminal devices, said

plurality of terminal devices and said printer being communicatively connected through

a network (fig. 1, col. 3 l. 9-24, managers or terminal devices, abstract, network

management SNMP system), said printer executing print jobs in accordance with

operational parameters set to said printer (col. 6 lines 4-49, printer print job settings or

configurations applied to print jobs) the operational parameters of said printer being set

by users of said plurality of terminal devices through the network (col. 6 lines 4-21,

printer settings set by users through a network), said network system comprising:

    Filion does not disclose:

    a monitoring condition determining system that determines a monitoring condition

with respect operational parameters set by a first user; a monitoring system that

monitors whether a request for modification of the operational parameters received from

a second user meets the monitoring condition; a modification control system that

modifies the operational parameters in accordance with the request for modification if

the monitoring system determines that the request for the modification meets the

monitoring condition, said modification control system executes a predetermined

operation if said monitoring system determines that the request for modification does

not meet the monitoring condition.

    Simpson discloses:

    a monitoring condition determining system that determines a monitoring condition

with respect operational parameters set by a first user ([0074]-[0076], monitoring

duration of a first user's print job with associated settings);

    a monitoring system that monitors whether a request for modification of the

operational parameters received from a second user meets the monitoring condition

([0076], determining whether second user request is in a "black out" period set by the

first user);

    a modification control system that modifies the operational parameters in

accordance with the request for modification if the monitoring system determines that

the request for the modification meets the monitoring condition, said modification control

system executes a predetermined operation if said monitoring system determines that

the request for modification does not meet the monitoring condition ([0076], apply

second print settings if outside blacked out period).

It would have been obvious to combine the teachings of Filion and Simpson so

that a monitoring period of Simpson can be applied to time when operational

parameters or settings are locked by a user so that settings are only locked within a

period of time to allow automatic release of printer locks after the period is expired.


25.     For claim 21, Filion discloses a network system comprising a plurality of terminal

devices and a printer whose function is shared by said plurality of terminal devices, said

plurality of terminal devices and said printer being communicatively connected through

a network (fig. 1, col. 3 l. 9-24, managers or terminal devices, abstract, network

management SNMP system), said printer executing print jobs in accordance with

operational parameters set to said printer (col. 6 lines 4-49, printer settings or

configurations applied to print jobs); the operational parameters of said printer being set

by users of said plurality of terminal devices through the network (col. 6 lines 4-21,

printer settings set by users through a network);

operational parameters of said printer set by a first user independently from the

first user issuing a processing request (col. 3 lines 9-24, setting objects is not

processing print jobs);

a monitoring period determining system that determines a particular time with respect to operational parameters set by a first user (col. 3 l. 65- col. 6 l. 9, operational parameters are locked by user A at a particular time);

a monitoring system that monitors whether a request for modification of the operational parameters issued by a second user is received (col. 4 lines 24-67, checking at a particular time that another request currently intersects with a current locked parameter)

a modification control system that modifies the operational parameters in accordance with the request for modification if the monitoring system determines that the request for the modification is received at a different time than the particular time (col. 4 lines 60-62, requests that does not intersect others at a particular time are allowed),

said modification control system executing at least one of rejecting the request by the second user and outputting a message corresponding to the request by the second user if said monitoring system determines that the request for modification is received at the particular time (col. 4 lines 64-67, send a fail message if request intersects with locked parameters at the particular time).

Filion does not disclose:

a number of execution determining system that determines the number of times of operations to be executed by said printer in accordance with operational parameters set by a first user; a monitoring system that monitors whether time required for the number of executed operations of said printer exceeds time required for the number of

times of operations determined by said number of execution determining system when a

request for modification of the operational parameters issued by a second user is

received; and a modification control system that modifies the operational parameters in

accordance with the request for modification if the monitoring system determines that

the time at executed operations of said printer exceeds the processing time of the

number of times determined by said number of execution determining system, said

modification control system executing at least one of rejecting the request by the

second user and outputting a message corresponding to the request by the second user

if said monitoring system determines that the time at the number of executed operations

of said printer is equal to or less than the processing time of the number of times

determined by said number of execution determining system.

However, Simpson discloses:

a number of execution determining system that determines the number of times

of operations to be executed by said printer in accordance with operational parameters

set by a first user ([0075], determine number of pages or copies to be printed with

associated settings by a first user);

a monitoring system that monitors whether time required for the number of

executed operations of said printer exceeds time required for the number of times (of

operations) determined by said number of execution determining system when a

request for modification of the operational parameters issued by a second user is

received ([0076], [0077], [0070], determining conflicts when a second user reserve a

second print job when pages or copies of a first user's print job are being processed);
and

a modification control system that modifies the operational parameters in
accordance with the request for modification if the monitoring system determines that
the time at executed operations of said printer exceeds the processing time of the
number of times determined by said number of execution determining system ([0076],
store job and apply second print settings if time does not conflict),

said modification control system executing at least one of rejecting the request by
the second user and outputting a message corresponding to the request by the second
user if said monitoring system determines that the time at the number of executed
operations of said printer is equal to or less than the processing time of the number of
times determined by said number of execution determining system ([0076], prompt the
second user to select a different print time if his print time conflicts with the reserved
print time with settings of the first user).

It would have been obvious to combine the teachings of Filion and Simpson so
that a monitoring period of Simpson can be applied to time when operational
parameters or settings are locked by a user so that settings are only locked within a
period of time to allow automatic release of printer locks after the period is expired.

Filion-Simpson does not explicitly disclose that monitoring is based on number of
executed operations. However, Simpson discloses monitoring is based on time period
that is determined based on number of operations (such as number of pages or copies)
([0075], [0070])

Therefore, it would have been obvious for one skilled in the art at the time of the

invention to modify the teachings of Filion and Simpson so that determining a "blacked

out" stage of modification requests from subsequent users can be done based on

number of executed operations of the device instead of time monitoring so that

subsequent users can only request print jobs outside the "blacked out" stage set by the

first user to simplify or provide an alternative to Simpson's monitoring, and to have

separate printer settings from printer processing so that users can provide settings in

advance of processing, for example.

26.     For claim 22, Filion-Simpson further discloses said terminal device includes an

instruction system that instructs said printer to execute a job; wherein said printer

includes a job executing system that executes the job instructed by said terminal device,

said number of execution determining system determining the number of executions of

the job to be executed by said job executing system (Simpson, [0075], fig. 2a,

production device, a printer for executing print pages for a first user).

27.     For claim 23, Filion-Simpson further discloses the message output by the

modification control system is a message, which is transmitted to the second user,

indicating that the number of executed operations of said printer is equal to or less than

the number of times determined by said number of execution determining system

(Simpson, [0076], second user is prompted to select another start time because first

user's print job is in execution).

28.    For claim 24, Filion-Simpson further discloses the message output by the

modification control system is a message, which is transmitted to the first user,

informing that the operational parameters have been modified by the second user

before the number of executed operations of said printer exceeds the number of times

determined by said number of execution determining system (Simpson, [0070], interrupt

request and job deferred messages to the first user).

29.    Claims 25 and 27-32 are rejected for the same rationale as in claims 8 and 10-15

respectively.

30.    Claim 37 is rejected for the same rationale as in claim 20.

31.    Claims 40 and 43 are rejected for the same rationale in claim 21.

32.    For claim 46, Filion-Simpson further discloses the operational parameters

comprise functional parameters and protection parameters, the protection parameters

being parameters entered by a first user, independent from a processing request, to

control the modification of the functional parameters; and the monitoring period

determining system determines the monitoring period with respect to the protection

parameters set by the first user (Simpson, [0068], protection parameters are user

settings regarding when certain printer parameters or functional parameters can be set,

e.g. all boss's print jobs can be set so that they are uninterruptible independently of the

print job request (by only checking the name of the boss) and when functional

parameters can be set, for example, from 2 to 4 PM, Andy's jobs with certain settings

are uninterruptible); operational parameters of said printer set by a first user

independently from the first user issuing a processing request (col. 3 lines 9-24, setting objects is not processing print jobs)

33. For claim 47, Filion-Simpson further discloses the operational parameters comprise functional parameters and protection parameters, the protection parameters being parameters entered by a first user, independent from a processing request, to control the modification of the functional parameters (Simpson, [0068], protection parameters are user settings regarding when certain printer parameters or functional parameters can be set, e.g. all boss's print jobs can be set so that they are uninterruptable independently of the print job request (by only checking the name of the boss) and when functional parameters can be set, for example, from 2 to 4 PM, Andy's jobs with certain settings are uninterruptable); and

the number of execution determining system determines the number of times of operations to be executed by said printer in accordance with the protection parameters set by the first user (Simpson, [0076], [0077], [0070], determining when pages or copies of a first user's print job are being processed and being interruptable or non-interruptable).

34. Claims 49, 52 and 55 are rejected for the same rationale as in claim 46.

35. Claims 50 and 53 are rejected for the same rationale as in claim 47.

36.     Claims 16-19, 33-36 are rejected under 35 U.S.C. 103(a) as being unpatentable
over Filion-Simpson, in view of Official Notice.

37.     For claims 16-19, Official Notice is taken that user's settings relating to output
format of a print job such as banner print, sheet supply, default sheet and default tray
are well-known in the art (see e.g., Costello, US 5,547,178)

        Therefore, it would have been obvious for one skilled in the art at the time of the
invention to combine the teachings of Filion, Simpson and what has been known in the
art to apply user's settings relating to output format to Simpson's print jobs to provide
customized printing options for the users.

38.     For claims 33-36, Official Notice is taken that user's settings relating to output
format of a print job such as banner print, sheet supply, default sheet and default tray
are well-known in the art (see e.g., Costello, US 5,547,178)

        Therefore, it would have been obvious for one skilled in the art at the time of the
invention to combine the teachings of Filion-Simpson and what has been known in the
art to apply user's settings relating to output format to Simpson's print jobs to provide
customized printing options for the users.

39.     Claims 9 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over
Filion-Simpson, in view of Nakamura et al. (US 2002/0161740, hereafter Nakamura).

40.    For claim 9, Filion-Simpson further discloses an effective period determining

system that determines whether an effective period designated by the terminal device

has expired. Simpson does not explicitly disclose a recovering system that sets the

operational parameters to previously set values after expiration of the effective period.

However, Nakamura discloses the same ([0099]-[0101], restore the default

settings after a period of customized user's setting has expired)

Therefore, it would have been obvious for one skilled in the art at the time of the

invention to combine the teachings of Filion, Simpson and Nakamura to reduce the

potential effects (conflicts) on other users.


41.    For claim 26, Filion-Simpson further discloses an effective period determining

system that determines whether an effective period designated by the terminal device

has expired. Simpson does not explicitly disclose a recovering system that sets the

operational parameters to previously set values after expiration of the effective period.

However, Nakamura discloses the same ([0099]-[0101], restore the default

settings after a period of customized user's setting has expired)

Therefore, it would have been obvious for one skilled in the art at the time of the

invention to combine the teachings of Filion-Simpson and Nakamura to reduce the

potential effects (conflicts) on other users.

42.    Claims 38, 41, 48, 51, 54 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Filion, Simpson, in view of Armstrong et al. (US 2004/0039779,

hereafter Armstrong).


43.    For claim 38, Filion-Simpson discloses the invention as in claim 1. Filion-

Simpson further discloses:

        a message storing system that stores a message with which the operational

parameters are modified in relationship with modified operational parameters (fig. 2A,

storage devices, [0076], [0074], e.g., messages indicating "interrupt request" or "job

deferred" associated with print jobs with different settings); and

        a message outputting system that outputs the message stored in relationship

with the modified operational parameters by said message storing system in response

to an output command of a message corresponding to the modified operational

parameters ([0070], output, e.g., "job deferred" message when print job is changed or

modified and second settings are applied).

        Filion-Simpson does not explicitly disclose that the message is input by a user of

the terminal device.

        However, Armstrong discloses using customized messages that can be input by

a user instead of default messages ([0110]).

        Therefore, it would have been obvious for one skilled in the art at the time of the

invention to combine the teachings of Filion, Simpson and Armstrong to customize

status messages to provide the message receiver more details about the status

messages (Armstrong, [0110]).


44.    For claim 41, Filion discloses an electronic device for a network system having a

plurality of terminal devices and an printer whose function is shared by said plurality of

terminal devices, said plurality of terminal devices and said printer being

communicatively connected through a network (fig. 1, col. 3 l. 9-24, managers or

terminal devices, abstract, network management SNMP system), operational

parameters of said printer being set by said plurality of terminal devices through the

network (col. 6 lines 4-21, printer settings set by users through a network), said network

system comprising:

        a modifying system that modifies the operational parameters in accordance with

a request for modification of the operational parameters requested by a terminal device

independent from a processing request (col. 1 l. 9-21, col. 4 l. 24-col. 5 l. 3, requests for

setting printer parameters from agent devices separate from print requests);

        Filion does not disclose a message storing system that stores a message with

which the operational parameters are modified in relationship with modified operational

parameters; and a message outputting system that outputs the message stored in

relationship with the modified operational parameters by said message storing system

in response to an output command of a message corresponding to the modified

operational parameters.

        However, Simpson discloses:

a message storing system that stores a message with which the operational
parameters are modified in relationship with modified operational parameters (fig. 2A,
storage devices, [0076], [0074], e.g., messages indicating "interrupt request" or "job
deferred" associated with print jobs with different settings); and

a message outputting system that outputs the message stored in relationship
with the modified operational parameters by said message storing system in response
to an output command of a message corresponding to the modified operational
parameters ([0070], output, e.g., "job deferred" message when print job is changed or
modified and second settings are applied).

Filion-Simpson does not explicitly disclose that the message is input by a user of
the terminal device.

However, Armstrong discloses using customized messages that can be input by
a user instead of default messages ([0110]).

Therefore, it would have been obvious for one skilled in the art at the time of the
invention to combine the teachings of Filion, Simpson, Armstrong to customize status
messages to provide the message receiver more details about the status messages
(Armstrong, [0110]) and to have separate printer settings from printer processing so that
users can provide settings in advance of processing for example.

45.     Claim 44 is rejected for the same rationale as in claim 41.

46.     For claim 48, Filion-Simpson-Armstrong further discloses the operational
parameters comprise functional parameters and protection parameters, the protection

parameters being parameters entered by the first user, independent from a processing

request, to control the modification of the functional parameters (Simpson, [0068],

protection parameters are user settings regarding when certain printer parameters or

functional parameters can be set, e.g. all boss's print jobs can be set so that they are

uninterruptable independently of the print job request (by only checking the name of the

boss) and when functional parameters can be set, for example , from 2 to 4 PM, Andy's

jobs with certain settings are uninterruptable);

the message storing system stores a message input by the first user of the

terminal device with which the functional parameters and protection parameters are

modified in relationship with modified functional parameters and protection parameters;

and the message outputting system outputs the message stored in relationship with the

modified functional parameters and protection parameters by said message storing

system in response to an output command of a message corresponding to the modified

functional parameters and protection parameters (Simpson, fig. 2A, storage devices,

[0076], [0074], e.g., messages indicating "interrupt request" or "job deferred" associated

with print jobs with different settings; [0070], output, e.g., "job deferred" message when

print job is changed or modified and second settings are applied, Armstrong, [0110]).

operational parameters are requested independently from issuing a processing

request by a user (Filion, col. 3 lines 9-24, printers settings requests different from print

requests)

47.     Claims 51 and 54 are rejected for the same rationale as in claim 48.

## *Conclusion*

48.     The prior art made of record and not relied upon is considered pertinent to applicant's disclosure is disclosed in form PTO 392.

49.     Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hieu T. Hoang whose telephone number is 571-270-1253. The examiner can normally be reached on Monday-Thursday, 8 a.m.-5 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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HH

/Kenny S Lin/

Primary Examiner, Art Unit 2452